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Los Alamos, NM 87545
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Fax: (505) 665-4424

FAX TRANSMISSION COVER SHEET**Date:** January 9, 2007**To:** Amendment/Response
US Patent and Trademark Office**Phone:**
Fax: 571-273-8300**From:** Holly Hydeman
LC/IP**Phone:** (505) 667-9168
Fax: (505) 665-4424**Re:** 10/715,806
S-100,641
Melissa Petruska**Sender:** Karen Y. Mikus

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Comments:

Included in this facsimile transmittal are the following documents for filing in the above-identified patent application:

**Amendment/Response to Office Action dated July 11, 2006.
Fee Transmittal for 3-month extension in the amount of \$510.00.**

Fee Payments Authorized: \$ 510.00

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JAN 09 2007

Rev. 02/02/06

FEE TRANSMITTAL For FY 2006 <small>Patent fees are subject to annual revision</small>				Complete If Known																																																																																																																																																																																																																											
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT: \$510.00				Application Number:		10/715,806																																																																																																																																																																																																																									
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				First Named Inventor:		Melissa A. Petruska																																																																																																																																																																																																																									
				Examiner Name:		Timothy J. Kugel																																																																																																																																																																																																																									
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1. <input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: Los Alamos National Laboratory <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17				3. ADDITIONAL FEES <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Code</th> <th>Fee (\$)</th> <th>Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>\$130</td> <td>2051</td> <td>\$85</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>\$50</td> <td>2052</td> <td>\$25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1812</td> <td>\$2520</td> <td>1812</td> <td>\$2520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>1251</td> <td>\$120</td> <td>2251</td> <td>\$60</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>\$450</td> <td>2252</td> <td>\$225</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>\$1020</td> <td>2253</td> <td>\$510</td> <td>Extension for reply within third month</td> <td>\$510.00</td> </tr> <tr> <td>1254</td> <td>\$1590</td> <td>2254</td> <td>\$795</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>\$2180</td> <td>2255</td> <td>\$1080</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>\$500</td> <td>2401</td> <td>\$250</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>\$500</td> <td>2402</td> <td>\$250</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>\$1000</td> <td>2403</td> <td>\$500</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1452</td> <td>\$500</td> <td>2452</td> <td>\$250</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1814</td> <td>\$110</td> <td>2814</td> <td>\$55</td> <td>Terminal Disclaimer</td> <td></td> </tr> <tr> <td>1453</td> <td>\$1500</td> <td>2453</td> <td>\$750</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1460</td> <td>\$130</td> <td>1460</td> <td>\$130</td> <td>Petitions to the Director</td> <td></td> </tr> <tr> <td>1806</td> <td>\$180</td> <td>1806</td> <td>\$180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>1809</td> <td>\$790</td> <td>2809</td> <td>\$395</td> <td>Filing a submission after final rejection (37 CFR 1.129 (a))</td> <td></td> </tr> <tr> <td>1810</td> <td>\$790</td> <td>2810</td> <td>\$395</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1811</td> <td>\$100</td> <td>1811</td> <td>\$100</td> <td>Certificate of Correction</td> <td></td> </tr> <tr> <td>1504</td> <td>\$300</td> <td>1504</td> <td>\$300</td> <td>Publication fee for early, voluntary, or normal publication/Republication fee</td> <td></td> </tr> <tr> <td>1801</td> <td>\$790</td> <td>2801</td> <td>\$395</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td colspan="4"></td> <td colspan="2">Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="4"></td> <td colspan="2" style="text-align: right;">SUBTOTAL (3)</td> <td style="text-align: right;">\$510.00</td> </tr> <tr> <td colspan="4"></td> <td colspan="2">Reduced by Basic Filing Fee Paid</td> <td></td> </tr> <tr> <td colspan="4"></td> <td colspan="2" style="text-align: right;">SUBTOTAL FROM 1</td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td colspan="4"></td> <td colspan="2" style="text-align: right;">SUBTOTAL FROM 2</td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td colspan="4"></td> <td colspan="2" style="text-align: right;">SUBTOTAL FROM 3</td> <td style="text-align: right;">\$510.00</td> </tr> <tr> <td colspan="4"></td> <td colspan="2" style="text-align: right;">TOTAL AMOUNT OF PAYMENT</td> <td style="text-align: right;">\$510.00</td> </tr> <tr> <td colspan="4"></td> <td colspan="2">(Enter total amount at top of page)</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: center;">SUBMITTED BY</td> <td colspan="4" style="text-align: center;">Complete (if applicable)</td> </tr> <tr> <td colspan="2">Printed Name:</td> <td colspan="2">Bruce H. Cottrell</td> <td colspan="2">Reg. No.</td> <td colspan="2">30,620</td> </tr> <tr> <td colspan="2">Signature:</td> <td colspan="2"></td> <td colspan="2">Date: January 9, 2007</td> <td colspan="2">Telephone (505) 667-9168</td> </tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Paid	Code	Fee (\$)	Code	Fee (\$)	1051	\$130	2051	\$85	Surcharge - late filing fee or oath		1052	\$50	2052	\$25	Surcharge - late provisional filing fee or cover sheet		1812	\$2520	1812	\$2520	For filing a request for reexamination		1251	\$120	2251	\$60	Extension for reply within first month		1252	\$450	2252	\$225	Extension for reply within second month		1253	\$1020	2253	\$510	Extension for reply within third month	\$510.00	1254	\$1590	2254	\$795	Extension for reply within fourth month		1255	\$2180	2255	\$1080	Extension for reply within fifth month		1401	\$500	2401	\$250	Notice of Appeal		1402	\$500	2402	\$250	Filing a brief in support of an appeal		1403	\$1000	2403	\$500	Request for oral hearing		1452	\$500	2452	\$250	Petition to revive - unavoidable		1814	\$110	2814	\$55	Terminal Disclaimer		1453	\$1500	2453	\$750	Petition to revive - unintentional		1460	\$130	1460	\$130	Petitions to the Director		1806	\$180	1806	\$180	Submission of Information Disclosure Statement		1809	\$790	2809	\$395	Filing a submission after final rejection (37 CFR 1.129 (a))		1810	\$790	2810	\$395	For each additional invention to be examined (37 CFR 1.129(b))		1811	\$100	1811	\$100	Certificate of Correction		1504	\$300	1504	\$300	Publication fee for early, voluntary, or normal publication/Republication fee		1801	\$790	2801	\$395	Request for Continued Examination (RCE)						Other fee (specify) _____							SUBTOTAL (3)		\$510.00					Reduced by Basic Filing Fee Paid							SUBTOTAL FROM 1		\$ 0.00					SUBTOTAL FROM 2		\$ 0.00					SUBTOTAL FROM 3		\$510.00					TOTAL AMOUNT OF PAYMENT		\$510.00					(Enter total amount at top of page)			SUBMITTED BY				Complete (if applicable)				Printed Name:		Bruce H. 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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Melissa A. Petruska

Docket No.: S-100,641

Serial No.: 10/715,806

Examiner: Timothy J. Kugel

Filed : 11/17/2003

Art Unit: 1712

For : NANOCRYSTAL/SOL-GEL NANOCOMPOSITES

Customer No. 35068

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450AMENDMENT/RESPONSE

Sir:

In response to the Office Action dated July 11, 2006 please enter the following amendments to the Claims and consider the accompanying remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 3 of this paper.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

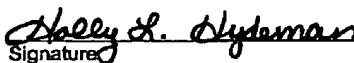
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☒ transmitted by facsimile to the United States Patent and Trademark Office

Date 1/9/2007
SignatureHolly L. Hydeman
(type or print name of person certifying)